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COLD AND HEAT CARRYING CUSHIONS
[Kälte- un Wärmeträgerkissen]

U. Meinass

UNITED STATES PATENT AND TRADEMARK OFFICE
Washington, D.C. November 2002

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TITLE (54) : COLD AND HEAT CARRYING CUSHIONS

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SPECIFICATIONS

It is known to use cold and heat carrying cushions in physical therapy. A wide variety of filling materials are used in such cushions. They include paraffin, peloids, etc. The coverings on the cushions are also made of plastic, such as PVC, polyethylene, etc.

The cushions are also sold under the name of "packs." The disadvantage of the cushion is that the liquid always distributes itself in accordance with the slope or, due to the pressure involved when the cushion is applied, the liquid becomes concentrated in areas when expansion is possible.

The novelty of the present invention is the creation of a cold and heat carrying cushion that will permit treatment that conforms to the body, follows its contour, and is uniform over the surface of the body. The impregnated plastic foam binds the liquid, thus providing absolute uniformity in the cushion strength. The liquids serve as cold and heat storage devices, as with known cushions, but the plastic foam also offers the advantage that the cushion conforms to the body, follows its contour, and is uniform over the surface of the body.

Figure 1 shows a top view of the cold and heat carrying cushion, which consists of plastic cover **1**, surrounding seam **3**, and impregnated plastic foam **2**.

The cross section shown in Fig. 2 clearly illustrates the cold and heat carrying cushion, which contains on its inside a plastic foam core **2** that is saturated with liquid.

CLAIMS

1. A cold and heat carrying cushion, characterized in that a plastic foam **2** that is impregnated with a liquid such as paraffin, wax, thermal oil, refrigerant, etc., is sealed watertight and airtight in a seamed **3** plastic covering **1**.
2. A cold and heat carrying cushion as recited in Claim 1, characterized in that the impregnated plastic foam mat can consist of more than one plastic foam units **2**.

Fig. 1

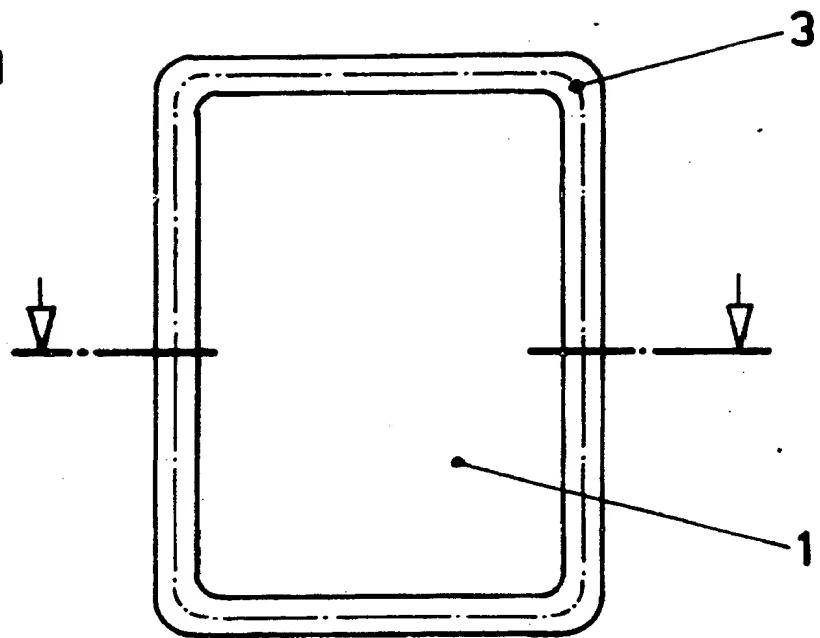


Fig. 2

